

# YARS Rabbit pAb

Catalog No.: A6791

1 Publications

## Basic Information

### Observed MW

59kDa

### Calculated MW

59kDa

### Category

Primary antibody

### Applications

ELISA, WB, IP

### Cross-Reactivity

Human, Mouse, Rat

## Background

Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Tyrosyl-tRNA synthetase belongs to the class I tRNA synthetase family. Cytokine activities have also been observed for the human tyrosyl-tRNA synthetase, after it is split into two parts, an N-terminal fragment that harbors the catalytic site and a C-terminal fragment found only in the mammalian enzyme. The N-terminal fragment is an interleukin-8-like cytokine, whereas the released C-terminal fragment is an EMAP II-like cytokine.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

## Immunogen Information

### Gene ID

8565

### Swiss Prot

P54577

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human YARS (NP\_003671.1).

### Synonyms

YRS; YTS; YARS; TYRRS; CMTDIC; IMNEPD2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

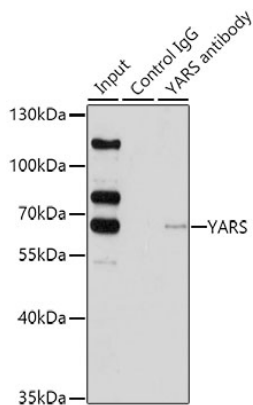
Affinity purification

### Storage

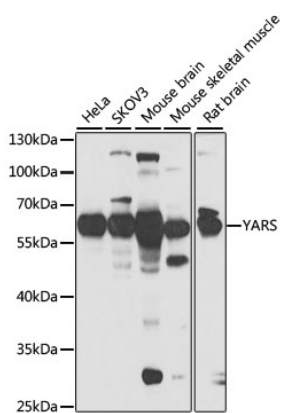
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data



Immunoprecipitation analysis of 200 µg extracts of HeLa cells using 1 µg YARS antibody (A6791). Western blot was performed from the immunoprecipitate using YARS antibody (A6791) at a dilution of 1:1000.



Western blot analysis of various lysates using YARS Rabbit pAb (A6791) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.